

MADHAV MADHUKAR BHALERAO

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SUMMARY

Final-Year B.Tech CSE (AI & ML) student with a solid foundation in machine learning, software development, and computer vision. Successfully developed and deployed practical projects including a Face Recognition system using Python and OpenCV. A quick learner and adaptable team player seeking an entry-level AI/ML role to apply technical skills and contribute to innovative solutions.

SKILLS

- Programming Languages: Python, SQL, Java, C
- ML & Deep Learning Frameworks: TensorFlow, Keras, Scikit-learn
- Data Science & Analysis: Pandas, NumPy, OpenCV
- Tools & Platforms: Arduino, Git, GitHub, Jupyter
- Professional Skills: Problem-Solving, Analytical Thinking, Team Collaboration, Adaptability

PROFESSIONAL EXPERIENCE / PROJECTS

Face Recognition Attendance System | Python, OpenCV, scikit-learn |

- Developed a real-time system utilizing Haar Cascade classifiers for facial detection and recognition.
- Achieved over 90% accuracy across diverse lighting environments and conditions.
- Automated attendance logging to CSV, streamlining the process and reducing manual entry time and errors by an estimated 80%

RFID Smart Door Lock System | Arduino, Embedded C, RFID Module |

- Designed and implemented a secure access control system using RFID technology and microcontroller logic.
- Programmed an Arduino Uno in C to read and authenticate RFID tags, controlling a servo motor as a lock mechanism and integrating an LED and buzzer for user feedback
- Demonstrated practical application of IoT security protocols and hardware interfacing.

EDUCATION

B.Tech in Computer Science & Engineering (AI & ML)

Hitech Institute of Technology, Chhatrapati Sambhajinagar, Maharashtra

Expected 2026 | GPA: 7.00/10.00

Higher Secondary Education

N.E.S. Science College, Nanded, Maharashtra

-2022 | Percentage: 56.00%

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Marathi(Native) .
- **Certifications:** Cisco Certified -
 - Python Essentials 1 – Cisco Networking Academy (2024)
 - Python Essentials 2 – Cisco Networking Academy (2024)
 - Introduction to Data Science – Cisco Networking Academy (2023)
- **Interests:** Exploring Emerging AI Technologies, Open-Source Contribution, Technical Blogging